

## Establishing the Foundation for Science Missions

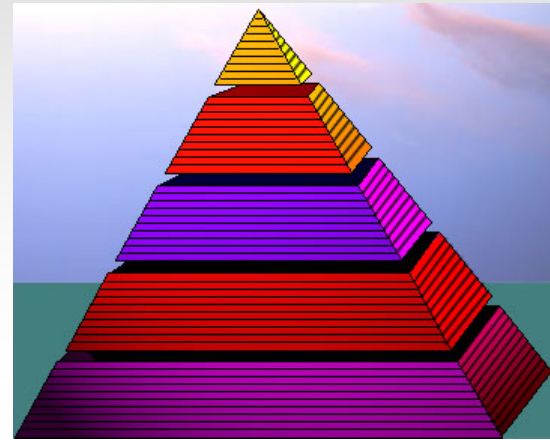
"It is difficult to say what is impossible, for the dream of yesterday is the hope of today and the reality of tomorrow." - *Robert Goddard*

"Chance favors the prepared mind."

*Louis Pasteur*

"Reality is that which, when you stop believing in it, doesn't go away."

*Phillip K. Dick*

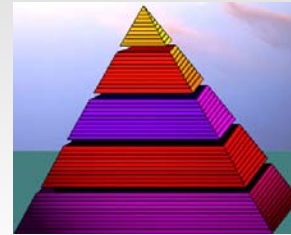


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MU-SPIN Tenth Anniversary Users' Conference and the MURED Second Annual Education Conference  
September 11-16, 2000

## Introduction-Preparation

- 1) Foundation Building Benefits
  - a) Increased Research Opportunities
  - b) Reputation
  - c) Higher Graduate Retention
- 2) Minority Institution's Research Roles
  - a) Source
    - i) Principle Investigator
    - ii) Co-Investigator
  - b) Target
    - i) Tertiary Role
  - c) Supporter
    - i) Proposal Evaluation
- 3) Timing
  - a) Resource Availability
    - i) Students
    - ii) Faculty
    - iii) Administration



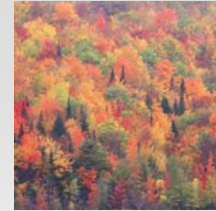
## 4<sup>th</sup> Fiscal Quarter Activities



- 4) Develop Goals for a Two Year Plan
  - a) Mainly junior and senior participation
    - i) Requisite knowledge
    - ii) Graduate capture
  - b) Fits within most funding forecast periods
    - i) Availability of decision-makers
    - ii) Availability of phased research opportunities
  - c) Adequate time for revision



## 1<sup>st</sup> Fiscal Quarter Activities



### 5) Grow University Support

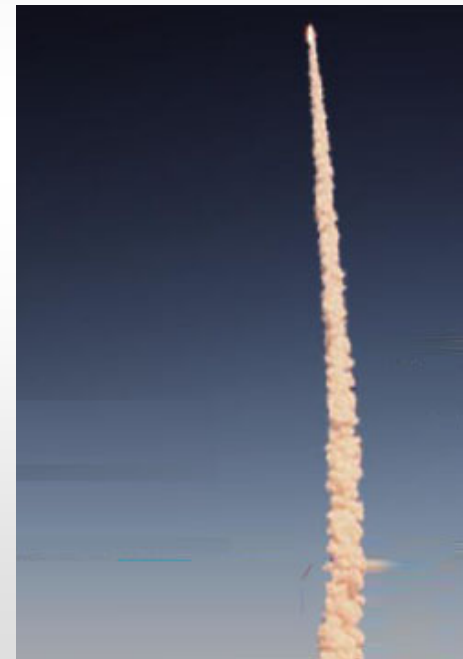
- a) Students
- b) Faculty
- c) Department
- d) College
- e) University Administration

### 6) Advertise University Endorsed Goals

- a) Keep Goals Separate from Mission and Vision Statements
- b) Use Existing Communication
  - i) University Websites
  - ii) University Brochures
  - iii) Alumni Newsletters

### 7) Make Your Presence Known

- a) Increased Membership in Professional Societies
  - i) Faculty
  - ii) Students
- b) Attending Sponsored Functions
  - i) Conferences
  - ii) Seminars
  - iii) Colloquiums



## 2nd Fiscal Quarter Activities

8) Determine Potential Funding Sources

- a) Government Agencies
- b) Non-Profit Agencies
- c) Private Sector

9) Determine Research Goals of Sources

- a) Scientific
- b) Commercial
- c) Educational/Outreach

10) Develop a Plan for Reaching Goals

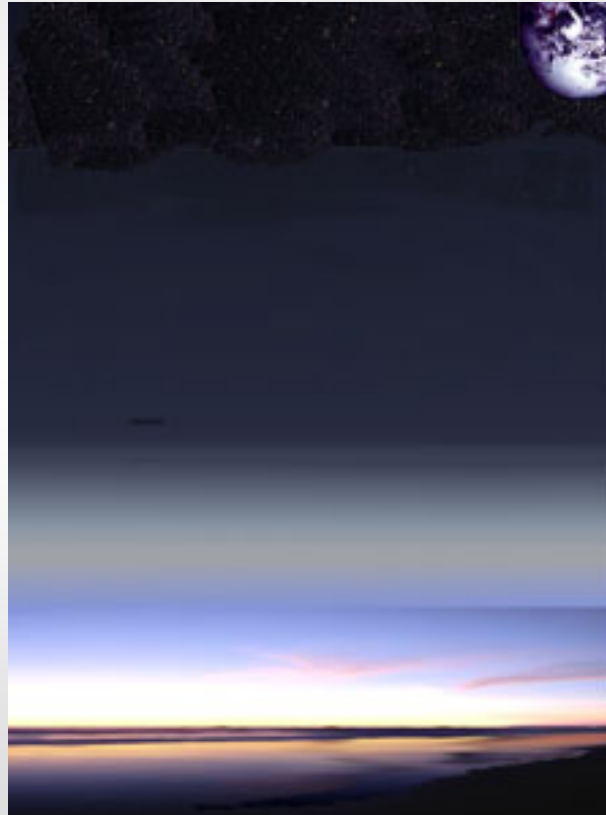
- a) Realistic – Within University's Capabilities
- b) Flexible – Can Withstand Shifts in Paradigms (Internal/External)
- c) Scalable – Program Intensity Varies with Funding
- d) Traceable
  - i) Metrics
  - ii) Reporting



## 3<sup>rd</sup> Fiscal Quarter



- 11) Present University Endorsed Plan
  - a) Use Existing Communication
    - i) University Websites
    - ii) University Brochures
    - iii) Alumni Newsletters
  - b) Professional Societies
    - i) Presentations
    - ii) Posters/Brochures



## Closing Remarks

- Do it right the first time
- Stay Vigilant
- Seek Help
- Acknowledge Support
- Be aware of real limits
  - University framework
  - Opportunities
  - Scalability
  - Flexibility

